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**Abstract**

The invention relates to a device for generation of microwaves comprising a coaxial  
 virtual cathode oscillator (1) with an outer cylindrical tube forming a cathode (2) and  
 10 connected to a transmission line (8) for feeding the cathode (2) with voltage pulses,  
 and an inner cylindrical tube, at least partially transparent for electrons, forming an  
 anode (3) and connected to a transmission device (8) for outputting microwave  
 radiation generated by the formation of a virtual cathode (4) inside an area enclosed  
 by the anode. Through the introduction of a centre conductor (5) arranged to coincide  
 15 with the centre axle (19) for the cathode's (2) outer cylindrical tube and in electrical  
 connection with the tube a device for generation of microwaves is obtained having  
 improved energy efficiency and better broadband performance.

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(Figure 4 is proposed for publication)